About the dataset

Data was collected and structured by the Fraud team. This dataset consists of payments from various customers made in different periods and amounts. The feature columns include:

- Step: This feature represents the month from the start of the simulation. The steps represent four months that the simulation ran virtually.
 - 0: May
 - o 1: June
 - o 2: July
 - o 3: August
- Customer: Customer ID
- Age: Categorised age
 - o 0.0: <= 18
 - 0 1.0: 19 25
 - 0 2.0: 26 35
 - 0 3.0: 36 45
 - 0 4.0: 46 55
 - 0 5.0: 56 65
- Gender: Gender of the customer
 - o F: Female
 - M: Male
- PostcodeOrigin: The postcode of origin/source.
- Merchant: The merchant's ID.
- Category: Category of the purchase.
- Amount: Amount of the purchase.
- Fraud: Target variable that shows if the transaction is fraudulent 1 or non-fraudulent - 0.

Completed task

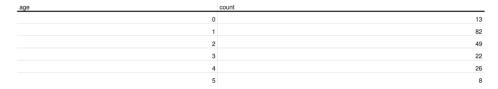
Count by category

category	count	percent
es_transportation'	181	90.500000
es_health'	10	5.000000
es_food'	3	1.500000
es_wellnessandbeauty'	1	0.500000
es_tech'	1	0.500000
es_sportsandtoys'	1	0.500000
es_otherservices'	1	0.500000
es_hotelservices'	1	0.500000
es_barsandrestaurants'	1	0.500000

Fraudulent Transactions:

category	count
es_food'	1
es_health'	5
es_sportsandtoys'	1
es_transportation'	84
es_wellnessandbeauty'	1

Count by age



Count by merchant

merchant	count	percent
M348934600'	154	77.000000
M1823072687'	27	13.500000
M1053599405'	4	2.000000
M85975013'	3	1.500000
M692898500'	3	1.500000
M480139044'	2	1.000000
M840466850'	1	0.500000
M50039827'	1	0.500000
M348875670'	1	0.500000
M1888755466'	1	0.500000

Fraud detected by age

age	count	
	0	8
	1	38
	2	24
	3	8
	4	12
	5	2

Fraud detected by category

category	count
es_food'	1
es_health'	5
es_sportsandtoys'	1
es_transportation'	84
es_wellnessandbeauty'	1



Fraud detected by step (Month)

step	count	
	0	19
	1	25
	2	27
	3	21

Fraud detected by gender

gender	count
F	52
M'	40

Gender that performed the most fraudulent specific activities

gender	category	count
F'	es_food'	1
F'	es_health'	1
F'	es_sportsandtoys'	1
F'	es_transportation'	49
M'	es_health'	4
M'	es_transportation'	35
M'	es_wellnessandbeauty'	1

